



## Dielectric composite gloves

### Mod. SGM

Insulated gloves

Composite insulated gloves provide electrical, mechanical and arc-flash protection, and as such do not need to be combined with any other kind of glove.

The Composite glove range is made using a natural latex base covered by an outer layer of polychloroprene, combining mechanical resistance and comfort with a high level of protection.

**Arc flash protection:** the glove material has excellent properties in the event of a short circuit in the electric arc.



CE IEC 60903 EN 60903 IEC 61482-1-2

Code	Ref.	Class	Thickness (mm) max.	Working Voltage (V) max.	Proof test Voltage (V) max.	ATPV (cal/cm <sup>2</sup> ) ASTM F2675
531110	SGM-25 T9	00	< 2,4	500 V AC	2.500 V AC	26,3 cal/cm <sup>2</sup>
531120	SGM-25 T10					
531150	SGM-50 T9	0	< 2,9	1.000 V AC	5.000 V AC	71,6 cal/cm <sup>2</sup>
531160	SGM-50 T10					
531190	SGM-10 T9	1	< 3,4	7.500 V AC	10.000 V AC	42,2 cal/cm <sup>2</sup>
531200	SGM-10 T10					
531230	SGM-20 T9	2	< 3,9	17.000 V AC	20.000 V AC	74,5 cal/cm <sup>2</sup>
531240	SGM-20 T10					
531270	SGM-30 T9	3	< 4,2	26.500 V AC	30.000 V AC	73,2 cal/cm <sup>2</sup>
531280	SGM-30 T10					
531310	SGM-40 T10	4	< 4,8	36.000 V AC	40.000 V AC	87,7 cal/cm <sup>2</sup>
531320	SGM-40 T11					

Code	Ref.	Size	Length (mm)	Colour	Category
531110	SGM-25 T9	9	360	Outside red and inside black	RC
531120	SGM-25 T10	10			
531150	SGM-50 T9	9	410		
531160	SGM-50 T10	10			
531190	SGM-10 T9	9			
531200	SGM-10 T10	10			
531230	SGM-20 T9	9			
531240	SGM-20 T10	10			
531270	SGM-30 T9	9			
531280	SGM-30 T10	10			
531310	SGM-40 T10	10			
531320	SGM-40 T11	11			

Meaning of letters in 'Categories': A: Acid / Z: Ozone / H: Oil / C: Very low temperature / R: A+Z+H resistance.

#### MECHANICAL AND THERMAL REQUIREMENTS

- Average tensile strength:  $\geq 16$  MPa
- Average elongation at break:  $\geq 600\%$
- Tension set:  $\leq 15\%$

#### Complementary test and performance levels to be achieved are as follows:

- Resistance to cutting:  $> 2.5$  (equivalent to level 2 according to EN 388)
- Resistance to abrasion:  $\geq 0,05$  mg/t

- Tearing resistance to:  $> 25$  N (equivalent to level 2 according to EN 388)
- Resistance to penetration:  $> 60$  N (equivalent to level 2 according to EN 388)
- Resistance to low temperature: conditioning of gloves for 1 hour at  $-25 \pm 3^\circ\text{C}$ .
- Flame-retardant test: Application of a flame for 10 seconds at a finger tip.